

Distinguished Minimum Latency Traffic in a Converged Traffic Environment (DMLT) Study Group

Brief look into Industrial Automation Market Numbers



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Now and future markets



Oil & Gas



Trains & Transportation



Factory Automation

This list is not exhaustive, opportunities are huge!



Power Utility Automation



Traffic Control Systems



Regenerative Energies

Flexibility is key – despite high volumes

Customers configure switches according to use cases – (almost) all media options (copper, fibre, fixed and SFP/modular)

The image displays two screenshots of a network switch configurator interface. The top screenshot shows a basic configuration for a switch with a product code input field. The bottom screenshot shows a more detailed configuration with various options like 'Number of Fast Ethernet ports', 'Number of Gigabit Ethernet ports', and 'Type 1. uplink port'.

Configurator

Compact OpenRail Gigabit Ethernet Switch 8-24 ports - RS30-24020606EDHPPH07.0.

Input a product code
RS30-24020606EDHPPH07.0

Configurator

Compact OpenRail Gigabit Ethernet Switch 8-24 ports - RS30-080200ZZEDHPPH07.0.

Input a product code
RS30-080200ZZEDHPPH07.0

1 Variants

Design
RS30 - compact, Gigabit-Ethernet

Type 2. uplink port
06 - 1 x SFP-slot GE

Software version
P - Professional: Remote access,

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1 Variants

Design
RS30 - compact, Gigabit-Ethernet

Number of Fast Ethernet ports
08 - 08 x 10/100 Mbit

Number of Gigabit Ethernet ports
02 - 02 x 1000 Mbit

Type 1. uplink port
00 - 2 x SFP-slot GE/FE

Type 2. uplink port
ZZ - 2 x SFP-slot FE

Temperature range
E - 40°C - +70°C incl. Conformal f

Power range
D - 9.6-60 V DC and 18-30 V AC

Approvals
H - cIU 508 - cIU 1604 Class 1 Div

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Re-statement from January 2013 Interim Meeting: To realize the full market potential, DMLT must not be specific to certain PHYs.

Current Market Numbers

Under the assumption that DMLT will be realized as a completely phy-agnostic solution, DMLT will be applicable to a very high percentage of use cases of the Industrial Automation market and the following statement on market numbers can be made:

By the end of the year 2012, Industrial Automation solutions amount to about 150 million installed Ethernet ports on the market, with a growth of about 40% in 2012. In addition to that, transition from non-Ethernet fieldbus communication networks to Ethernet is on the way and new applications in industrial automation are expected. The number of industrial Ethernet ports sold worldwide is 40 million per year in 2012. This is expected to grow to over 80 million ports sold in 2015. Additional market served with this standards are medical control systems (e.g. MRI), Energy automation (e.g. Power substation controllers and protection equipment), automation of traffic systems, other critical infrastructure and Avionics.

FIN

Thank you!